



JAMES A. NOYES, Director

# COUNTY OF LOS ANGELES

## DEPARTMENT OF PUBLIC WORKS

*"Enriching Lives"*

900 SOUTH FREMONT AVENUE  
ALHAMBRA, CALIFORNIA 91803-1331  
Telephone: (626) 458-5100  
www.ladpw.org

ADDRESS ALL CORRESPONDENCE TO:  
P.O. BOX 1460  
ALHAMBRA, CALIFORNIA 91802-1460

IN REPLY PLEASE

REFER TO FILE: **PJ-2**

October 9, 2003

The Honorable Board of Supervisors  
County of Los Angeles  
383 Kenneth Hahn Hall of Administration  
500 West Temple Street  
Los Angeles, CA 90012

Dear Supervisors:

**SENATE BILL 1953 - HOSPITAL SEISMIC RETROFIT PROGRAM  
HARBOR-UCLA MEDICAL CENTER  
AWARD SUPPLEMENTAL AGREEMENT  
CONTRACT PW-12492; C.P. 86534  
SUPERVISORIAL DISTRICT 2  
3 VOTES**

**JOINT RECOMMENDATION WITH THE CHIEF ADMINISTRATIVE OFFICER AND  
THE DIRECTOR OF HEALTH SERVICES THAT YOUR BOARD:**

Award and authorize the Director of Public Works to execute Supplemental Agreement 4 to Contract PW-12492 with Integrated Design Services, Inc., to design an eight-bed intensive care unit at the Harbor-UCLA Medical Center as part of the Senate Bill 1953 seismic retrofit, for a not to exceed fee of \$236,400, funded from the General Fund, and to establish the effective date following Board approval.

### **PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION**

Approving the recommended action will allow Integrated Design to design an eight-bed intensive care unit to compensate for the various ICUs that will be unavailable during construction of the SB 1953 seismic retrofit project. The ICU is proposed for an area that currently consists of licensed acute-care beds on the fifth floor of the main hospital building that are presently used as doctors' call rooms.

During the Schematic Design Phase of the seismic retrofit project, several options were explored to replace ICU beds while existing ICUs were being retrofitted. Based on our analysis, the most feasible and cost effective option is to convert a portion of the fifth floor into a permanent eight-bed ICU.

Even though the new eight-bed ICU is estimated to add \$1,600,000 to the construction cost, we expect this cost to be offset by a reduction of the original project scope. Based on the results of material testing performed during design, OSHPD reduced the amount of retrofit work that would have otherwise been required. In addition, the operational efficiency of adding the ICUs will allow the Medical Center to avoid a potential \$2,900,000 loss of revenue resulting from disruption to their service capabilities during construction.

Constructing the eight-bed ICU is anticipated to significantly reduce the construction duration of the retrofit project. As part of the scope of this Supplemental Agreement, the design consultant will work with the hospital staff to revise the move management plan and determine more precisely the reduction to the construction duration. The potentially shortened construction duration and less complicated move management plan will result in less disruption and minimize impacts on patient care during construction.

The revised project scope will result in the permanent addition of eight ICU beds at the Harbor-UCLA Medical Center. The increase in the number of ICU beds accommodates the overall higher acuity level of patients at Harbor-UCLA Medical Center and is consistent with the trend in the hospital industry for the number of ICU beds to grow as a percentage of total beds. The additional ICU beds will also serve to reduce the overcrowded conditions in the Emergency Department by making more beds available for admitting critically ill patients.

The addition of the eight-bed ICU unit will not impact operating costs after construction because the cost for operating the eight additional ICU beds will be offset by a decrease in the number of acute-care beds that the hospital plans to operate.

### **Implementation of Strategic Plan Goals**

This action is consistent with the County's Strategic Plan Goals of Service Excellence, Fiscal Responsibility, and Children and Families' Well-Being by providing a safer public health infrastructure. The proposed seismic retrofit work will improve the performance of the hospital's acute-care buildings after an earthquake.

### **Consistency with Health Services System Redesign**

The eight additional ICU beds will provide Harbor-UCLA with additional beds capable of handling critically ill patients and is consistent with the Department's system redesign in that it will enhance the hospital's ability to provide emergency and trauma center services.

### **FISCAL IMPACT/FINANCING**

Approval of this action will not require an increase to the project budget. The recommended supplemental agreement with Integrated Design, for a total not to exceed fee of \$236,400, will be funded by the design contingency included in the current project budget. The Project Schedule and Budget Summary are included in Enclosure A.

Sufficient funds are included in Fiscal Year 2003-04 Capital Projects Budget to fund the estimated design costs. Project costs for Fiscal Year 2003-04 are funded from the General Fund. It is anticipated that future project costs will be funded from the General Fund and long-term bond proceeds. On December 5, 2000, your Board adopted a reimbursement resolution declaring the County's intention to finance the costs related to this project.

### **FACTS AND PROVISIONS/LEGAL REQUIREMENTS**

A standard supplemental agreement, in the form previously approved by County Counsel, will be used. The existing architect/engineer services agreement includes the standard Board-directed clauses that provide for contract termination, renegotiation, hiring qualified displaced County employees, and consideration of Greater Avenues for Independence Program/General Relief Opportunity for Work participants for future employment.

Integrated Design is in full compliance with Los Angeles County Code Chapter 2.200 (Child Support Compliance Program) and Chapter 2.203 (Contractor Employee Jury

Services Program). Supplemental Agreement 4 will also amend Integrated Design's contract to include the Safely Surrendered Baby Law.

### **ENVIRONMENTAL DOCUMENTATION**

Awarding this Supplemental Agreement will have no environmental impact. The appropriate environmental documentation will be prepared prior to returning to your Board to request authorization to construct the project.

### **CONTRACTING PROCESS**

On January 29, 2002, your Board authorized Public Works to execute an architect/engineer services agreement with Integrated Design for a not to exceed fee of \$3,093,000 to provide design services related to the seismic strengthening of buildings and the anchoring/bracing of nonstructural equipment and components at Harbor-UCLA Medical Center.

On January 22, 2003, Supplemental Agreement 1 was executed under delegated authority at no cost to extend the design period to allow for additional retrofit analysis. On February 25, 2003, Supplemental Agreement 2 was executed under delegated authority for a not to exceed amount of \$56,200 to develop a testing plan to determine the seismic load capacity of the existing "ladder-stud" partition system at the medical center. On September 10, 2003, Supplemental Agreement 3 was executed under delegated authority for a not to exceed amount of \$26,200 to perform dynamic analysis and modeling for new shear walls.

We are now recommending award of Supplemental Agreement 4 for a not to exceed fee of \$236,400 for the design of the eight-bed ICU. This Supplemental Agreement will bring the total contract amount to \$3,411,800, which is an increase of 10.3 percent over the original contract amount. The recommended fee is considered reasonable for the work involved and is consistent with the County's standards for work of similar complexity and scope.

### **IMPACT ON CURRENT SERVICES (OR PROJECTS)**

Approving Supplemental Agreement 4 will have no impact on current services. During the Construction Phase, it is anticipated that the retrofit work will disrupt services and require relocations within the hospital. Public Works and its consultants are working with Health Services to identify potential impacts and develop construction phasing plans that will minimize the impact on services.

The Honorable Board of Supervisors  
October 9, 2003  
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**CONCLUSION**

Please return one adopted copy of this letter to the Chief Administrative Office (Capital Projects), Health Services, and Public Works.

Respectfully submitted,

JAMES A. NOYES  
Director of Public Works

DAVID E. JANSSEN  
Chief Administrative Officer

THOMAS L. GARTHWAITE, M.D.  
Director of Health Services

AM:lpj  
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Enc.

cc: County Counsel  
Department of Public Social Services (GAIN/GROW Program)

October 9, 2003

**ENCLOSURE A**

**SENATE BILL 1953 - HOSPITAL SEISMIC RETROFIT PROGRAM  
HARBOR-UCLA MEDICAL CENTER  
AWARD SUPPLEMENTAL AGREEMENT  
CONTRACT PW-12492; C.P. 86534**

**I. PROJECT SCHEDULE**

<b>Project Activity</b>	<b>Scheduled Completion Date</b>	<b>Revised Completion Date</b>	<b>Actual Completed Date</b>
Project Needs Assessment	12/31/00	N/A	12/31/00
Project Feasibility	12/31/00	N/A	12/31/00
Project Program	12/31/00	N/A	12/31/00
Design			
Design Services Contract Execution	02/06/02	N/A	02/06/03
Construction Document Submittal	08/25/03	03/31/04	
Jurisdictional Approval	11/05/04	03/01/05	
Construction Bid and Award	06/14/05	10/11/05	
Construction			
Substantial Completion	08/08/07	10/29/07	
Acceptance	10/08/07	12/30/07	
Post Occupancy	N/A	N/A	N/A

## II. PROJECT BUDGET SUMMARY

Budget Category	Current Project Budget	Revision to Budget Under Delegated Authority	Impact of this Action	Revised Project Budget
Land Acquisition	\$ 0	\$ 0	\$ 0	\$ 0
Construction				
(a) Estimated Construction Cost	\$ 23,567,000	\$ 0	\$ 0	\$ 23,567,000
(b) Change Order allowance	<u>5,892,000</u>	<u>0</u>	<u>\$ 0</u>	<u>5,892,000</u>
Subtotal	\$ 29,459,000	\$ 0	\$ 0	\$ 29,459,000
Equipment	\$ 0	\$ 0	\$ 0	\$ 0
Plans & Specifications				
(a) Design Services/Construction Admin.	\$ 3,093,000	\$ 82,400	\$ 236,400	\$ 3,411,800
(b) Design Contingency	<u>521,000</u>	<u>(82,400)</u>	<u>(236,400)</u>	<u>202,200</u>
Subtotal	\$ 3,614,000	\$ 0	\$ 0	\$ 3,614,000
Consultant Services				
(a) Project/Construction Management	\$ 3,014,000	\$ 0	\$ 0	\$ 3,014,000
(b) Additional/Optional Services	<u>1,521,000</u>	<u>0</u>	<u>0</u>	<u>1,521,000</u>
Subtotal	\$ 4,535,000	\$ 0	\$ 0	\$ 4,535,000
Jurisdictional Review, Permits, and Fees	\$ 483,000	\$ 0	\$ 0	\$ 483,000
County Services	\$ 2,905,000	\$ 0	\$ 0	\$ 2,905,000
Miscellaneous Expenditures	\$ 21,000	\$ 0	\$ 0	\$ 21,000
<b>Total</b>	<b>\$ 41,017,000</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 41,017,000</b>